

AMENDMENTS TO CLAIMS

1-30. (Canceled)

31. (Currently Amended) A system for ~~serambling~~/descrambling at least one packets, the at least one packet having a must stay clear (MSC) section which must always stay in the clear, the system comprising a ~~serambling~~/descrambling device to:

compute a Cipher Initialization Vector for the at least one packet as a function of at least part of the MSC section of the at least one packet; and

seramble/descramble the at least one packets so that the at least one packet is descrambled based on using an the Cipher Initialization Vector ~~value of the at least one packet and a Key as input; each of the packets having a must stay clear (MSC) section which must always stay in the clear, the Initial Value for each of the packets being a function of at least part of the MSC section of an associated one of the packets being processed.~~

32. (Currently Amended) The system according to claim 31, wherein the MSC section includes an adaptation field, the Cipher Initialization Vector ~~value of the at least one packet being computed as~~ a function of at least part of the adaptation field of the at least one packet being processed.

33. (Currently Amended) The system according to claim 32, wherein the Cipher Initialization Vector ~~value of the at least one packet~~ is a function of the data content of the adaptation field of the one packet ~~being processed.~~

34. (Currently Amended) A method for ~~serambling~~/descrambling at least one packets, ~~each of the at least one packets having a must stay clear (MSC) section which must always stay in the clear, the method comprising:~~

determining ~~computing~~ an Cipher Initialization Vector ~~value for each of the at least one packets as a function of at least part of the MSC section of an associated~~ the at least one of the packets being processed; and

~~scrambling~~/descrambling the at least one packets so that the at least one packet is descrambled ~~based on~~using the Cipher Initialization Vector ~~value of the at least one packet~~ and a Key as input.

35. (Currently Amended) The method according to claim 34, wherein the MSC section includes an adaptation field, the ~~determining-computing including-determining~~of the Cipher Initialization Vector ~~value of the at least one packet being performed~~ as a function of at least part of the adaptation field of the at least one packet ~~being processed~~.

36. (Currently Amended) The method according to claim 35, wherein the ~~determining-computing includes-determining~~of the Cipher Initialization Vector ~~value of the at least one packet is performed~~ as a function of the data content of the adaptation field of the at least one packet ~~being processed~~.

37-42. (Canceled)

43. (New) A system for scrambling at least one packet, the at least one packet having a must stay clear (MSC) section which must always stay in the clear, the system comprising a scrambling device to:

compute a Cipher Initialization Vector for the at least one packet as a function of at least part of the MSC section of the at least one packet; and

scramble the at least one packets so that the at least one packet is scrambled using the Cipher Initialization Vector of the at least one packet and a Key as input.

44. (New) The system according to claim 43, wherein the MSC section includes an adaptation field, the Cipher Initialization Vector of the at least one packet being computed as a function of at least part of the adaptation field of the at least one packet.

45. (New) The system according to claim 44, wherein the Cipher Initialization Vector of the at least one packet is a function of the data content of the adaptation field of the one packet.

46. (New) A method for scrambling at least one packet, the at least one packet having a must stay clear (MSC) section which must always stay in the clear, the method comprising:

computing a Cipher Initialization Vector for the at least one packets as a function of at least part of the MSC section of the at least one packet; and

scrambling the at least one packets so that the at least one packet is scrambled using the Cipher Initialization Vector of the at least one packet and a Key as input.

47. (New) The method according to claim 46, wherein the MSC section includes an adaptation field, the computing of the Cipher Initialization Vector of the at least one packet being performed as a function of at least part of the adaptation field of the at least one packet.

48. (New) The method according to claim 47, wherein the computing of the Cipher Initialization Vector of the at least one packet is performed as a function of the data content of the adaptation field of the at least one packet.